Author Index

Ahmad, H., see Singhal, S.S. (1116) 137
Angielski, S., see Pawelczyk, T. (1116) 309
Augusteyn, R.C., see Pierscionek, B.K. (1116) 283
Awasthi, Y.C., see Singhal, S.S. (1116) 137

Bader, D.L., Kempson, G.E., Egan, J., Gilbey, W. and Barrett, A.J.
The effects of selective matrix degradation on the short-term compressive properties of adult human articular cartilage (1116) 147
Barrett, A.J., see Bader, D.L. (1116) 147
Belz, A., see Garber, N. (1116) 331
Benesi, A.J., see Rolin, D.B. (1116) 155
Benesi, A.J., see Rolin, D.B. (1116) 215
Billett, E.E., see Yeomanson, K.B. (1116) 261
Bizon, D., see Pawelczyk, T. (1116) 309
Borisevitch, I.E., see Tabak, M. (1116) 241
Bovenberg, R.A.L., see Müller, W.H. (1116) 210
Bowness, J.M., Sewell, S. and Tarr, A.H.
Increased ε(γ-glutamyl)lysine crosslinking associated with increased protein synthesis in the inner layers of healing rat skin wounds (1116) 324
Bracht, A., see Suzuki-Kemmelmeier, F. (1116) 275
Buffoni, F., Cambi, S. and Moneti, G.
Pyrroloquinoline quinone, a method for its isolation and identification by mass spectrometry (1116) 297

Cambi, S., see Buffoni, F. (1116) 297
Carlin, R.T., see Timkovich, R. (1116) 24
Cavallini, D., see Pitari, G. (1116) 27
Cederbaum, A.I., see Puntarulo, S. (1116) 17
Chambers, T.J., see Page, A.E. (1116) 57
Chmurzynska, W., see Manteuffel-Cymborowska, M. (1116) 166
Chowrimootoo, G., Gillett, M., Debnam, E.S., Srai, S.K. and Epstein, O.
Iron-transferrin binding to isolated guinea pig enterocytes and the regional localisation of intestinal iron transfer during ontogeny (1116) 256
Costantini, C., D'Ischia, M., Napolitano, A., Misuraca, G. and Prota, G.
Photodynamic degradation of vitamin E induced by psoralens (1116) 291

Dannenberg, A.J., Worman, H.J. and Scarlata, S.
Developmental changes in the amount and functional state of UDP-glucuronosyltransferase (1116) 250
Davies, M.J., see Greenley, T.L. (1116) 192
Debnam, E.S., see Chowrimootoo, G. (1116) 256
Desai, M.A. and Vadgama, P.M.
Bicarbonate and other buffer systems can enhance the rate of H^+ diffusion through mucus in vitro (1116) 43
D'Ischia, M., see Costantini, C. (1116) 291
Dontsov, A.E., see Porębska-Budny, M. (1116) 11
Doyle, R.J., see Garber, N. (1116) 331
Duprè, S., see Pitari, G. (1116) 27

Egan, J., see Bader, D.L. (1116) 147
Epstein, O., see Chowrimootoo, G. (1116) 256

Fasler, S., see Lutz, H.U. (1116) 1
Fehr, J., see Lutz, H.U. (1116) 1
Flati, V., see Pitari, G. (1116) 27
Fleischer, G. and Werner, A.
Study of water and oil diffusion in rape seeds with sorption-desorption and nmr techniques (1116) 305
Fujita, T., Uchida, K. and Maruyama, N.
Purification of senescence marker protein-30 (SMP30) and its androgen-independent decrease with age in the rat liver (1116) 122

Garber, N., Guempel, U., Belz, A., Gilboa-Garber, N. and Doyle, R.J.
On the specificity of the D-galactose-binding lectin (PA-I) of *Pseudomonas aeruginosa* and its strong binding to hydrophobic derivatives of D-galactose and thiogalactose (1116) 331
Gassmann, W., see Gelvan, D. (1116) 183
Gelvan, D., Moreno, V., Gassmann, W., Hegenauer, J. and Saltman, P.
Metal-ion-directed site-specificity of hydroxyl radical detection (1116) 183
Ghosh, P.C., see Vasandani, V.M. (1116) 315
Gilbey, W., see Bader, D.L. (1116) 147
Gilboa-Garber, N., see Garber, N. (1116) 331
Gillett, M., see Chowrimootoo, G. (1116) 256
Greenley, T.L. and Davies, M.J.
Detection of radicals produced by reaction of hydroperoxides with rat liver microsomal fractions (1116) 192
Groothuis, M.H., see Müller, W.H. (1116) 210
Grzelakowska-Sztabert, B., see Manteuffel-Cymborowska, M. (1116) 166
Guempel, U., see Garber, N. (1116) 331

Hayman, A.R., see Page, A.E. (1116) 57
Hegenauer, J., see Gelvan, D. (1116) 183
Hirabayashi, Y., see Izumi, K. (1116) 72
Hsu, H.H.T.
In vitro calcium deposition by rachitic rat matrix vesicles: nucleoside triphosphate supported calcium deposition (1116) 227

Imokawa, G., see Matsuo, N. (1116) 97
Inazu, N., Ruepp, B., Wirth, H. and Wermuth, B.
Carbonyl reductase from human testis: purification and comparison with carbonyl reductase from human brain and rat testis (1116) 50
Ingold, M., see Lutz, H.U. (1116) 1
Ishii-Iwamoto, E.L., see Suzuki-Kemmelmeier, F. (1116) 275
Izard, J., see Landemore, G. (1116) 112
Izumi, K., Yamamoto, K., Tochikura, T. and Hirabayashi, Y.
Serological study using α-*N*-acetylgalactosaminidase from *Acremonium* sp. (1116) 72

Jacobsohn, G.M. and Jacobsohn, M.K.
Incorporation and binding of estrogens into melanin: comparison of mushroom and mammalian tyrosinases (1116) 173
Jacobsohn, M.K., see Jacobsohn, G.M. (1116) 173

Author Index

Ahmad, H., see Singhal, S.S. (1116) 137
Angielski, S., see Pawelczyk, T. (1116) 309
Augusteyn, R.C., see Pierscionek, B.K. (1116) 283
Awasthi, Y.C., see Singhal, S.S. (1116) 137

Bader, D.L., Kempson, G.E., Egan, J., Gilbey, W. and Barrett, A.J.
The effects of selective matrix degradation on the short-term compressive properties of adult human articular cartilage (1116) 147
Barrett, A.J., see Bader, D.L. (1116) 147
Belz, A., see Garber, N. (1116) 331
Benesi, A.J., see Rolin, D.B. (1116) 155
Benesi, A.J., see Rolin, D.B. (1116) 215
Billett, E.E., see Yeomanson, K.B. (1116) 261
Bizon, D., see Pawelczyk, T. (1116) 309
Borisevitch, I.E., see Tabak, M. (1116) 241
Bovenberg, R.A.L., see Müller, W.H. (1116) 210
Bowness, J.M., Sewell, S. and Tarr, A.H.
Increased ε(γ-glutamyl)lysine crosslinking associated with increased protein synthesis in the inner layers of healing rat skin wounds (1116) 324
Bracht, A., see Suzuki-Kemmelmeier, F. (1116) 275
Buffoni, F., Cambi, S. and Moneti, G.
Pyrroloquinoline quinone, a method for its isolation and identification by mass spectrometry (1116) 297

Cambi, S., see Buffoni, F. (1116) 297
Carlin, R.T., see Timkovich, R. (1116) 24
Cavallini, D., see Pitari, G. (1116) 27
Cederbaum, A.I., see Puntarulo, S. (1116) 17
Chambers, T.J., see Page, A.E. (1116) 57
Chmurzynska, W., see Manteuffel-Cymborowska, M. (1116) 166
Chowrimootoo, G., Gillett, M., Debnam, E.S., Srai, S.K. and Epstein, O.
Iron-transferrin binding to isolated guinea pig enterocytes and the regional localisation of intestinal iron transfer during ontogeny (1116) 256
Costantini, C., D'Ischia, M., Napolitano, A., Misuraca, G. and Prota, G.
Photodynamic degradation of vitamin E induced by psoralens (1116) 291

Dannenberg, A.J., Worman, H.J. and Scarlata, S.
Developmental changes in the amount and functional state of UDP-glucuronosyltransferase (1116) 250
Davies, M.J., see Greenley, T.L. (1116) 192
Debnam, E.S., see Chowrimootoo, G. (1116) 256
Desai, M.A. and Vadgama, P.M.
Bicarbonate and other buffer systems can enhance the rate of H^+ diffusion through mucus in vitro (1116) 43
D'Ischia, M., see Costantini, C. (1116) 291
Dontsov, A.E., see Porębska-Budny, M. (1116) 11
Doyle, R.J., see Garber, N. (1116) 331
Duprè, S., see Pitari, G. (1116) 27

Egan, J., see Bader, D.L. (1116) 147
Epstein, O., see Chowrimootoo, G. (1116) 256

Fasler, S., see Lutz, H.U. (1116) 1
Fehr, J., see Lutz, H.U. (1116) 1
Flati, V., see Pitari, G. (1116) 27
Fleischer, G. and Werner, A.
Study of water and oil diffusion in rape seeds with sorption-desorption and nmr techniques (1116) 305
Fujita, T., Uchida, K. and Maruyama, N.
Purification of senescence marker protein-30 (SMP30) and its androgen-independent decrease with age in the rat liver (1116) 122

Garber, N., Guempel, U., Belz, A., Gilboa-Garber, N. and Doyle, R.J.
On the specificity of the D-galactose-binding lectin (PA-I) of *Pseudomonas aeruginosa* and its strong binding to hydrophobic derivatives of D-galactose and thiogalactose (1116) 331
Gassmann, W., see Gelvan, D. (1116) 183
Gelvan, D., Moreno, V., Gassmann, W., Hegenauer, J. and Saltman, P.
Metal-ion-directed site-specificity of hydroxyl radical detection (1116) 183
Ghosh, P.C., see Vasandani, V.M. (1116) 315
Gilbey, W., see Bader, D.L. (1116) 147
Gilboa-Garber, N., see Garber, N. (1116) 331
Gillett, M., see Chowrimootoo, G. (1116) 256
Greenley, T.L. and Davies, M.J.
Detection of radicals produced by reaction of hydroperoxides with rat liver microsomal fractions (1116) 192
Groothuis, M.H., see Müller, W.H. (1116) 210
Grzelakowska-Sztabert, B., see Manteuffel-Cymborowska, M. (1116) 166
Guempel, U., see Garber, N. (1116) 331

Hayman, A.R., see Page, A.E. (1116) 57
Hegenauer, J., see Gelvan, D. (1116) 183
Hirabayashi, Y., see Izumi, K. (1116) 72
Hsu, H.H.T.
In vitro calcium deposition by rachitic rat matrix vesicles: nucleoside triphosphate supported calcium deposition (1116) 227

Imokawa, G., see Matsuo, N. (1116) 97
Inazu, N., Ruepp, B., Wirth, H. and Wermuth, B.
Carbonyl reductase from human testis: purification and comparison with carbonyl reductase from human brain and rat testis (1116) 50
Ingold, M., see Lutz, H.U. (1116) 1
Ishii-Iwamoto, E.L., see Suzuki-Kemmelmeier, F. (1116) 275
Izard, J., see Landemore, G. (1116) 112
Izumi, K., Yamamoto, K., Tochikura, T. and Hirabayashi, Y.
Serological study using α-*N*-acetylgalactosaminidase from *Acremonium* sp. (1116) 72

Jacobsohn, G.M. and Jacobsohn, M.K.
Incorporation and binding of estrogens into melanin: comparison of mushroom and mammalian tyrosinases (1116) 173
Jacobsohn, M.K., see Jacobsohn, G.M. (1116) 173

Kameyama, Y., see Mizuno, M. (1116) 104
Kamiya, H., see Muramoto, K. (1116) 129
Kappler, F., see Rolin, D.B. (1116) 155
Kappler, F., see Rolin, D.B. (1116) 215
Kattevilder, F., see Müller, W.H. (1116) 210
Kempson, G.E., see Bader, D.L. (1116) 147
Kikuta, N., see Nakano, Y. (1116) 235

Landemore, G., Oulhaj, N., Letaïef, S.-E. and Izard, J.
The major Kurloff cell glycoproteins: lectin affinities, glycosidase susceptibilities and relationship with the sialylated acid phosphatases of the Kurloff body (1116) 112
Launay, J.-F., see Michalik, L. (1116) 269
Letaïef, S.-E., see Landemore, G. (1116) 112
Lutz, H.U., Stammler, P., Fasler, S., Ingold, M. and Fehr, J.
Density separation of human red blood cells on self forming Percoll^{R} gradients: correlation with cell age (1116) 1

Madan, S., see Vasandani, V.M. (1116) 315
Makimoto, S., see Seto, T. (1116) 204
Manteuffel-Cymborowska, M., Chmurzynska, W. and Grzelakowska-Sztabert, B.
Tissue-specific effects of testosterone on *S*-adenosylmethionine formation and utilization in the mouse (1116) 166
Maruyama, N., see Fujita, T. (1116) 122
Mashimo, T., see Seto, T. (1116) 204
Matsuo, N., Nomura, T. and Imokawa, G.
A rapid and simple assay method for UDP-glucose:ceramide glucosyltransferase (1116) 97
Maurizi, G., see Pitari, G. (1116) 27
Michalik, L., Vanier, M.-T. and Launay, J.-F.
Characterization of a 67 kDa microtubule-binding protein in the pancreas from different species (1116) 269
Misuraca, G., see Costantini, C. (1116) 291
Miura, N.-H., see Nakano, Y. (1116) 235
Mizuno, M., Kameyama, Y., Yashiro, K., Shin, S.O. and Yokota, Y.
Properties of plasma membrane-induced amylase release from rat parotid secretory granules: effects of Ca^{2+} and Mg-ATP (1116) 104
Moneti, G., see Buffoni, F. (1116) 297
Monnier, V.M., see Nagaraj, R.H. (1116) 34
Moreno, V., see Gelvan, D. (1116) 183
Müller, W.H., Bovenberg, R.A.L., Groothuis, M.H., Kattevilder, F., Smaal, E.B., Van der Voort, L.H.M. and Verkleij, A.J.
Involvement of microbodies in penicillin biosynthesis (1116) 210
Munck, B.G., see Munck, L.K. (1116) 83
Munck, B.G., see Munck, L.K. (1116) 91
Munck, L.K. and Munck, B.G.
The rabbit jejunal 'imino carrier' and the ileal 'imino acid carrier' describe the same epithelial function (1116) 91
Munck, L.K. and Munck, B.G.
Variation in amino acid transport along the rabbit small intestine. Mutual jejunal carriers of leucine and lysine (1116) 83
Muramoto, K. and Kamiya, H.
The amino-acid sequence of a lectin from conger eel, *Conger myriaster*, skin mucus (1116) 129

Nagaraj, R.H. and Monnier, V.M.
Isolation and characterization of a blue fluorophore from human eye lens crystallins: In vitro formation from Maillard reaction with ascorbate and ribose (1116) 34
Nakano, Y., Sumida, K., Kikuta, N., Miura, N.-H., Tobe, T. and Tomita, M.
Complete determination of disulfide bonds localized within the short consensus repeat units of Decay Accelerating Factor (CD55 antigen) (1116) 235
Napolitano, A., see Costantini, C. (1116) 291
Nomura, T., see Matsuo, N. (1116) 97

Osman, S.F., see Rolin, D.B. (1116) 155
Osman, S.F., see Rolin, D.B. (1116) 215
Oulhaj, N., see Landemore, G. (1116) 112

Page, A.E., Warburton, M.J., Chambers, T.J., Pringle, J.A.S. and Hayman, A.R.
Human osteoclastomas contain multiple forms of cathepsin B (1116) 57
Pawelczyk, T., Bizoń, D. and Angielski, S.
The distribution of enzymes involved in purine metabolism in rat kidney (1116) 309
Pfeffer, P.E., see Rolin, D.B. (1116) 155
Pfeffer, P.E., see Rolin, D.B. (1116) 215
Pierscionek, B.K. and Augusteyn, R.C.
Growth related changes to functional parameters in the bovine lens (1116) 283
Pitari, G., Maurizi, G., Flati, V., Ursini, C.L., Spera, L., Duprè, S. and Cavallini, D.
Enzymatic synthesis of *S*-aminoethyl-L-cysteine from pantetheine (1116) 27
Porębska-Budny, M., Sakina, N.L., Stępień, K.B., Dontsov, A.E. and Wilczok, T.
Antioxidative activity of synthetic melanins. Cardiolipin liposome model (1116) 11
Pringle, J.A.S., see Page, A.E. (1116) 57
Prota, G., see Costantini, C. (1116) 291
Puntarulo, S. and Cederbaum, A.I.
Effect of phenobarbital and 3-methylcholanthrene treatment on NADPH- and NADH-dependent production of reactive oxygen intermediates by rat liver nuclei (1116) 17

Rao, P. and Zigler, Jr., J.S.
Quinone induced stimulation of hexose monophosphate shunt activity in the guinea pig lens: role of zeta-crystallin (1116) 75
Rheinhold, V.N., see Rolin, D.B. (1116) 155
Rolin, D.B., Pfeffer, P.E., Osman, S.F., Szwergold, B.S., Kappler, F. and Benesi, A.J.
Structural studies of a phosphocholine substituted β-(1,3);(1,6) macrocyclic glucan from *Bradyrhizobium japonicum* USDA 110 (1116) 215
Rolin, D.B., Pfeffer, P.E., Osman, S.F., Szwergold, B.S., Kappler, F., Benesi, A.J., Sheeley, D.M. and Rheinhold, V.N.
Structural studies of a phosphocholine substituted β-(1,3);(1,6) macrocyclic glucan from *Bradyrhizobium japonicum* USDA 110 (1116) 155
Ruepp, B., see Inazu, N. (1116) 50

Sakina, N.L., see Porębska-Budny, M. (1116) 11
Saltman, P., see Gelvan, D. (1116) 183
Saxena, M., see Singhal, S.S. (1116) 137
Scarlata, S., see Dannenberg, A.J. (1116) 250
Seto, T., Makimoto, S., Mashimo, T., Yoshiya, I. and Taniguchi, Y.
Volatile anesthetics-induced activation phenomena of α-chymotrypsin-catalyzed hydrolysis (1116) 204
Sewell, S., see Bowness, J.M. (1116) 324
Sheeley, D.M., see Rolin, D.B. (1116) 155
Shin, S.O., see Mizuno, M. (1116) 104
Singhal, S.S., Saxena, M., Ahmad, H. and Awasthi, Y.C.
Glutathione *S*-transferases of mouse liver: sex-related differences in the expression of various isozymes (1116) 137
Smaal, E.B., see Müller, W.H. (1116) 210
Spera, L., see Pitari, G. (1116) 27
Srai, S.K., see Chowrimootoo, G. (1116) 256
Stammler, P., see Lutz, H.U. (1116) 1
Steinebach, O.M. and Wolterbeek, B.T.
Metallothionein biodegradation in rat hepatoma cells: a compartmental analysis aided ^{35}S-radiotracer study (1116) 155

Stępień, K.B., see Porębska-Budny, M. (1116) 11
Sumida, K., see Nakano, Y. (1116) 235
Suzuki-Kemmelmeier, F., Ishii-Iwamoto, E.L. and Bracht, A.
The metabolism of fructose in the bivascularly perfused rat liver (1116) 275
Suzuki, Y. and Uchida, K.
Formation of β-galactosyl compounds of pyridoxine in growing culture of *Sporobolomyces singularis* (1116) 67
Szwergold, B.S., see Rolin, D.B. (1116) 155
Szwergold, B.S., see Rolin, D.B. (1116) 215

Tabak, M. and Borisevitch, I.E.
Interaction of dipyridamole with micelles of lysophosphatidylcholine and with bovine serum albumin: fluorescence studies (1116) 241
Taniguchi, Y., see Seto, T. (1116) 204
Tarr, A.H., see Bowness, J.M. (1116) 324
Timkovich, R. and Carlin, R.T.
A novel derivative of the prosthetic group heme d_1: *S*-methylporphyrindione d_1 (1116) 24
Tobe, T., see Nakano, Y. (1116) 235
Tochikura, T., see Izumi, K. (1116) 72
Tomita, M., see Nakano, Y. (1116) 235

Uchida, K., see Fujita, T. (1116) 122
Uchida, K., see Suzuki, Y. (1116) 67
Ursini, C.L., see Pitari, G. (1116) 27

Vadgama, P.M., see Desai, M.A. (1116) 43
Van der Voort, L.H.M., see Müller, W.H. (1116) 210
Vanier, M.-T., see Michalik, L. (1116) 269
Vasandani, V.M., Madan, S. and Ghosh, P.C.
In vivo potentiation of ricin toxicity by monensin delivered through liposomes (1116) 315
Verkleij, A.J., see Müller, W.H. (1116) 210

Warburton, M.J., see Page, A.E. (1116) 57
Wermuth, B., see Inazu, N. (1116) 50
Werner, A., see Fleischer, G. (1116) 305
Wilczok, T., see Porębska-Budny, M. (1116) 11
Wirth, H., see Inazu, N. (1116) 50
Wolterbeek, B.T., see Steinebach, O.M. (1116) 155
Worman, H.J., see Dannenberg, A.J. (1116) 250

Yamamoto, K., see Izumi, K. (1116) 72
Yashiro, K., see Mizuno, M. (1116) 104
Yeomanson, K.B. and Billett, E.E.
An enzyme immunoassay for the measurement of human monoamine oxidase B protein (1116) 261
Yokota, Y., see Mizuno, M. (1116) 104
Yoshiya, I., see Seto, T. (1116) 204

Zigler, Jr., J.S., see Rao, P. (1116) 75